

Appendix D6 – Management Programs (Public Education)

Harford Streams Summer Adventure 2017

Watershed Protection and Restoration continued our “Harford Streams Summer Adventure” program for 2017, to raise awareness and support for protecting Harford County’s waterways and to encourage residents to explore the natural beauty of the County’s streams. Registered participants were invited to take selfies and write a short comment about something they did, learned, or observed at designated stream locations and upload them to our new online app. Participants that submitted 7 sites earned a free T-shirt. Participants that submitted eleven locations were eligible to win a Pontoon Boat Trip at the Anita C. Leight Estuary Center for fifteen people. Participants that submitted fifteen locations were eligible to win a Family Membership to the Maryland Science Center. County citizens of all ages were able to register for the adventure program, which concluded September 4, 2017.

Website

A web page was created at bit.ly/HSSummerAdventure for the program, which included links for:

- Registrations
- Locations with websites and maps
- Online app for uploading pictures
- Frequently Asked Questions
- Comments/Questions
- Feedback forms
- Social media icons
- Drawing prizes

App

An online app was created at bit.ly/HSSA17 for uploading photos, entering locations using GIS and describing actions conducted at each site.

Advertising

Flyers, palm cards, or yard signs were distributed to numerous locations throughout the county, including all of the Harford County Libraries and the reading program bags, random stores, restaurants, various businesses, and annual events like the Bel Air Town Run, Harford County Farm Fair and The Bar-B-Q Bash.

On June 24, 2017, the program was kicked off at the Anita C. Leight Estuary Center’s Wade-In event and we registered eighteen families.

On May 30, 2017, Harford County issued a Press Release laying out the details of the program.

Poker Run

A poker run was added to the summer adventure on July 15, 2017 and was a huge success with eighty-one participants. Registration began at Harford Glen. Then, participants had to visit Jerusalem Mill Village, Rockfield Park, and the Ma and Pa Trail at Blake’s Venture Park and Edgeley Grove Park. The poker run concluded back at Harford Glen where participants turned in their cards and received snacks, T-shirts and other prizes. Prizes included a Yeti Tundra 65 Cooler, Yeti cups, 100 Aberdeen Ironbirds tickets and a sky box for 30 to attend an Aberdeen Ironbirds game.

Visit Harford, University of Maryland, Harford Land Trust and Izaak Walton League of America supported and set up displays for the event.

Poker Run Donations

Yeti Cooler – MK Consulting Engineers, Whitehall Mill, 3300 Clipper Mill Road, Suite 201, Baltimore, MD

Yeti Cups – Watershed Protection and Restoration

Ironbirds box seat for 30 – Harford Land Trust and it was donated to them from Harford Bank

Ironbirds tickets (100) – Visit Harford

T-shirts – Watershed Protection and Restoration and Visit Harford

Venue (Harford Glen) – Harford Glen and HCPS

Results

Harford Streams Summer Adventure 2017 more than tripled from 2016.

Number of Participants	617
Number of Selfies Submitted	621
Number of T-Shirts Earned 7 sites visits or more	181
Number of Participants Entered Into The Pontoon Boat Drawing 11 site visits or more	38
Number of Participants Entered Into Maryland Science Center Drawing 15 site visits or more	33
Number of Participants Who Did More Than Required More than 15 site visits	4

Waterway	Groups/Families Visited	Waterway	Groups/Families Visited
Anita C. Leight Estuary Center	36	Robert Copenhaver Park	12
Concord Point Lighthouse	41	Rock Run Gristmill	27
Conowingo Dam	34	Rockfield Park	53
Deer Creek at Sandy Hook	16	Rocks State Park	29
Eden Mill Nature Center	28	Schucks Regional Park	27
Falling Branch/Kilgore Falls	22	Susquehanna Museum at the Lock House	25
Forest Greens Park	4	Swan Harbor Farm	11
Harford Glen Environmental Education Center	62	Waterway Of Your Choice	
Jerusalem Mill Village	61		
Ma and Pa Trail @ Blake's Venture Park	47		
Ma and Pa Trail @ Edgeley Grove Park	36		
Ma and Pa Trail @ Liriodendron	29		
Mariner Point Park	21		

Feedback

Feedback throughout the program was very enthusiastic.

- Jessica Wilson of Forest Hill said, “I love all of Harford streams and trails!”
- Tina Peterson of Forest Hill said, “My kids always like locations where they can play in the water!”
- Rob Storey of Havre de Grace said, “We found several new parks we didn't know existed, so that was nice. Every time we go to a park now, my daughter wants to look for a stream.”
- Benjamin Smith of Forest Hill said, “I think anyone who sign up for the adventure had fun. We should do it again. It is a good opportunity to eliminate worries and make a joy and happy moments.”
- Thomas Webber of Bel Air said, “Thank you very much for this activity.”

On September 27, 2016, County Executive, Barry Glassman and staff offered their thanks and congratulations to this year's prize winners.

Feedback Form results at the conclusion of the program

- Did you participate last year?
 - No (16 responses, 69.6%)
 - Yes (8 responses, 34.8%)
- Did you learn something new by participating?
 - No (1 response, 4.3%)
 - Yes (22 responses, 95.7%)
- The raffles encouraged me to visit more locations.
 - Agree somewhat (8 responses, 34.8%)
 - Agree strongly (12 responses, 52.2%)
 - Disagree somewhat (1 response, 4.3%)

- Disagree strongly (0 responses, 0.0%)
- Neither Agree nor Disagree (2 responses, 8.7%)
- I like the T-shirt design.
 - Agree somewhat (3 responses, 13.0%)
 - Agree strongly (14 responses, 60.9%)
 - Disagree somewhat (0 responses, 0.0%)
 - Disagree strongly (0 responses, 0.0%)
 - Neither Agree nor Disagree (6 responses, 26.1%)
- Did you dislike any location and do you have a location suggestion?
 - I liked all of the locations.
 - Didn't dislike it, but the trip down to the stream from Rockfield Park during the Poker Run was a little challenging physically. I would also like to see Deer Creek at 136 the Army Depot added. It's a quiet little kayak/canoe launch area with a nice view
 - I forget the name, but the creek spot off of rt 1. Deer creek? I'm not sure that it was such a bad location. It had poured rain the day before, so lots of puddles and we were unable to walk it.
 - I love all of Harford streams and trails!
 - My kids always like locations where they can play in the water
 - No, we loved visiting the different places.
 - Swan Harbor location was confusing. It took us a long time to figure out how to get down to the water and when we did

- there was an event going on there. If that location could be made clearer that would help. It was worth the effort though!
- Didn't dislike any location, but the county's website could have more information on each site; including but not limited to maps of the park and trails. Robert Copenhagen Park isn't listed on Google Maps (just Copenhagen is though).
 - No dislikes,
 - No everything was great.
 - The rural areas in northern part of the county and Gunpowder parks are the ones I think for the suggestion. Both of these are worth to see the landscape of it.
- Did you find the app easy to use and what would you recommend to improve it?
 - I thought it was a little bit confusing. But I'm not sure how to improve it.
 - I did not think it was easy to use. My phone does not download apps well, so I used my camera to take pictures and uploaded them on the computer to send in. I received an email saying my pictures didn't count because we were not "on location" we spend three weeks visiting all the parks and had such a great time. My children felt really sad when we found out our pictures didn't count. We didn't even bother posting the rest of our pictures.
- I had problems having the app find our location, usually had to manually enter.
 - I had problems having the app find our location, usually had to manually enter.
 - I struggled but it could have been me and my connectivity issues.
 - It was easy to use
 - It was easy to use
 - Since I have an iPhone I had to email myself all my photos and upload them from my laptop. Otherwise it was fine!
 - very easy to use
 - Yes
 - Yes
 - Had some issues uploading photo.
 - I had a difficult time knowing if my pictures uploaded and couldn't find a place to view the pictures I uploaded, but also others.
 - It was alright, but I wished I could have viewed my sent in photos.
 - It was easy to use
 - It's ok--I need more experience with it I think
 - Once I upgraded my phone, everything was fine. My old phone (HTC evo) had issues with it.
 - The app could have been a little less clunky. Picking a location on the map, especially on a mobile device wasn't the easiest task to do. A dropdown menu of available locations, with a choice for "not listed", could have helped. Being able to search the app by user would

- have been handy in figuring out how many, and which, locations we'd visited.
 - The app was a great resource.
 - The GPS was a bit off at times, but I liked that I could set the exact location if needed.
 - Yes
 - I have not used the app this year.
- If you attended the Poker Run, what did you like or dislike?
 - I did not attend the poker run simply because we had another engagement that day but it sounded terrific. We really wanted to go.
 - Did not attend, we were out of town.
 - I was not able to sorry,
 - Over all, I thought the Poker Run was awesome! I was unable to return with my completed sheet due to Bel Air traffic and time constraints on my part. Would definitely participate again and hopefully my daughter will be in town next time. My suggestion is to avoid spots with lengthy foot travel to your photo opp. This would help less physically agile people be able to complete the run in the time given. Long walks are okay for the self-paced all summer activity.
 - Sadly we were out of town
- Do you have any other comments, suggestions or concerns?
 - Find a way to include everyone; some people do not have phones or data plans that allow them to post on site. It was really disappointing for us to know none of our pictures counted. It was our summer "goal" to visit every location. It made us feel sad when our hard work didn't pay off. At least we made great memories.
 - Keep up the good work!
 - Loved that you put the Harford Streams posters at each location. That was helpful to know we found a few locations. My family really enjoyed this and hopes to participate again next year!!
 - Maybe advertise Maryland biodiversity project along with this in some way? We took lots of pictures for mbp, but I don't remember seeing it suggested through this when they pair so wonderfully together!
 - not sure if the app can handle this, but have each family member clickable... not all of my kids can attend every outing so tagging pictures was sometimes an issue
 - Thank you very much for this activity
 - I think anyone who sign up for the adventure had fun. We should do it again. It is a good opportunity to eliminate worries and make a joy and happy moments.
 - We found several new parks we didn't know existed, so that was nice. Every time we go to a park now, my daughter wants to look for a stream. We didn't hear about the Poker Run until after it happened, may have just missed the memo or an announcement on Facebook.

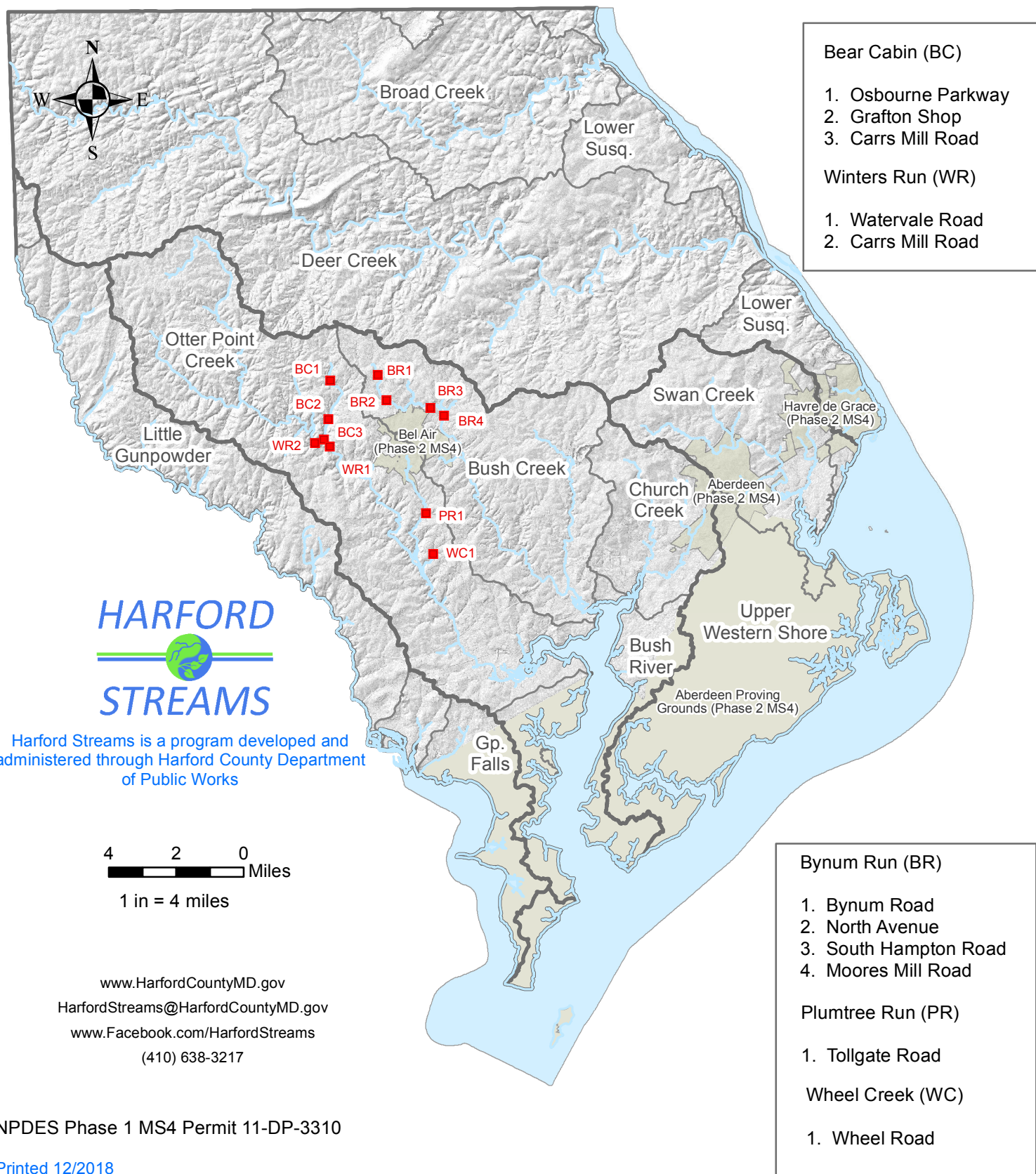
Appendix D6

Harford County, MD Department of Public Works Watershed Protection and Restoration

Stream Name Signs



Barry Glassman
County Executive





Want to improve stream health
in your community?

Harford County Watershed Stewards Academy

TRAIN TO BE A MASTER WATERSHED STEWARD*



Master Watershed Stewards
work within their communities
to improve stream health by:



Assessing watersheds & educating
neighbors about quality issues.



Identifying pollution sources &
taking actions using best practices.



Measuring success by
tracking results.

2ND & 4TH TUESDAY EACH MONTH

September 12, 2017 - June 2018

6:30 - 8:30 p.m.

at Harford Community College

Harford  *Streams*

For more information, visit www.harfordcountymd.gov/WSA or contact the Harford County Watershed Protection & Restoration office at Harfordwatershedstewards@harfordcountymd.gov.



UNIVERSITY OF
MARYLAND
EXTENSION
Solutions in your community

HARFORD
COMMUNITY
COLLEGE



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C. Class Schedule (to be populated) Speakers

Sessions	Date	Location	Time
Session 1 - Introduction/Icebreaker Speakers - UME Staff/ Victor Cyran and Rod Bourn	Tuesday, September 12, 2017	HCC Edgewood Hall E155/157	6:00 – 9:00
Session 2 - Watershed Science & Land Use Changes Stormwater Tour Speakers – UME, Chris and Michele	Saturday, September 16, 2017	HCC Edgewood Hall E157	9:00 – 3:00 Start in classroom
Session 3 - Water Systems & Stormwater Issues Introduction Legislation/Policy& Local Perspective/Programs/Policies Speakers - Wendy McPherson, Kelsey, Chris & Michele	Tuesday, September 26, 2017	HCC Edgewood Hall E157	6:30 – 8:30
Session 4 - Introduction to Best Management Practices (BMPs) Speakers – Eric and Kelsey	Tuesday, October 10, 2017	HCC Darlington Hall DH136	6:30 – 8:30
Session 5-Soils (Class & Field) Native Plants Hand Out Invasive Species Books Speakers – Tim Gerber and Stan Kollar	Tuesday, October 24, 2017	HCC Darlington Hall DH136	6:30 – 8:30
Session 6 - GIS & Desktop Analysis, Web Soil Survey Speakers – Tammy Biegas, Tim Gerger,	Tuesday, November 14, 2017	HCC Library Room 111	6:30 – 8:30
Session 7 - Community Engagement/Advocacy Neighborhood/Site Assessments, Stream Assessments Speakers – UME, Rupert Rossetti, Bryan Lightner Michele Dobson Hand Out Streamside Neighbor Packets	Tuesday, November 28, 2017	HCC Darlington Hall DH136	6:30 – 8:30
Session 8 - Class Project - Site Selection & Desktop Assessment – Project Funding Speakers – Chris and Bill, Tara Baker Hand out Tool Kits	Tuesday, December 12, 2017	HCC Darlington Hall DH136	6:30 – 8:30
Session 9 - Class Project - Field Tour & Site Assessment Speakers – UME/WSPR/CSP Invitees Joppa/Magnolia ES & MS and Copenhaver Park	Saturday, January 13, 2018	Meet at HCC Darlington Hall DH136	9:00 – 3:00



University of Maryland Extension programs are open to all and will not discriminate against anyone because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry, or national origin, marital status, genetic information, or political affiliation, or gender identity and expression.

Sessions	Date	Location	Time
Session 10 - Class Project Discussion Speakers – WSPR/UME/CSP Invitees	Tuesday, January 23, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Session 11 - Class Project Development Speakers – WSPR/UME/CSP Invitees	Tuesday, February 13, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Session 12 - Class Project Development Speakers - WSPR/UME/CSP Invitees	Tuesday, February 27, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Session 13 - Capstone Project Discussion & CSP Expo Speakers - WSPR/UME/CSP Invitees	Tuesday, March 13, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Session 14 – Open Day (Weather Make-Up, Class Project, etc.) Speakers - WSPR/UME/CSP Invitees	Tuesday, March 27, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Session 15 – Social Marketing Speakers – Jennifer Dindinger	Tuesday, April 10, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Session 16 - Individual Stormwater Presentations	Tuesday, April 24, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Session 17 - Individual Stormwater Presentations	Tuesday, May 8, 2018	HCC Darlington Hall DH136	6:30 – 8:30
Class Project Field Day	Saturday, May 12, 2018	TBD	9:00 – 3:00
Class Project Field Day	Saturday, May 19, 2018	TBD	9:00 – 3:00
Schedule and projects could run through June 2018			
Graduation!	Tuesday, May 22, 2018	HCC Darlington Hall DH136	6:00 – 9:00

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Watershed Stewards Academy

Program Background

Harford Streams Watershed Stewards Academy (WSA) is administered through a partnership between the Harford County Watershed Protection and Restoration Program, University of Maryland Sea Grant Extension, and Harford Community College. The WSA is a train-the-trainer program where steward candidates attend approximately 50 hours of classroom and hands-on training (including over 12 hours spent in the field during field trips), install a class project, and complete a small-group or individual capstone project. By completing the course requirements, stewards become urban stormwater management resources for their communities, capable of providing accurate educational information as well as implementing small scale stormwater management and/or water quality projects.

The course is comprised of classroom training that covers: stormwater management history and regulations; soils; native plants and plant selection; stormwater site assessment and planning; small scale Best Management Practice (i.e. rain barrels, downspout disconnects, and rain gardens) implementation; BMP maintenance and maintenance plan development; grant and other funding resources; and social marketing. The course is taught by county staff, University of Maryland Sea Grant Extension Watershed Restoration Specialists, and local experts such as Stan Kollar who runs a native plant nursery in the county and Tim Gerber, who teaches soil science at Harford Community College.

After completing the course and their capstone project, stewards are expected to complete 10 hours of continuing education and 30 hours of volunteer work by the end of the next year (i.e. stewards that completed the course in Spring 2018 will have until December 31, 2019 to complete the required hours). Following the first year, stewards are expected to continue to engage in stormwater issues and volunteer in their community by completing a combination of 20 hours of continuing education and volunteer time to maintain their “Master Steward” designation.

Harford Streams Watershed Stewards Academy is the 5th WSA that the University of Maryland Sea Grant Extension has established with partners throughout Maryland. The program is based on a model developed by Anne Arundel Watershed Stewards Academy, which is an independent program that was established in 2009. Although Harford County’s program is new, this training program has a history of success in other Maryland localities and regions.

The first Harford Watershed Stewards Academy successfully graduated nine stewards. These stewards installed one class project and have either completed or will complete four capstone projects.

Class Project

One of the requirements for the course was the development, construction, and maintenance of a class project. Stewards were involved in the initial site selection process: two potential sites were visited, evaluated, and stewards discussed the BMPs that could be implemented at various locations throughout the sites. Due to unforeseen constraints, a third site was selected and evaluated by the stewards for the final project. The evaluation process included identifying impervious surfaces that could be better treated, measuring slopes, and looking for constraints such as existing infrastructure.

Watershed Stewards Academy

After evaluating the site, a rain garden was selected for the class project. The stewards installed their project on May 12, 2018 at Tollgate Park, in an area between two sets of athletic fields. The 32 sq ft rain garden treats approximately 200 sq ft of roof runoff from a nearby structure that houses a concession stand and restrooms. Through the development and installation of the project, the stewards were able to apply the knowledge they learned throughout the class, including how to assess a site and ensure a rain garden would function well in the selected location, how to size a rain garden and choose appropriate plant species, and how to physically implement the practice. The rain garden took approximately 6 hours to install.

Since completing the initial project installation, the stewards have also taken the lead on maintaining the rain garden, including weeding, watering, and ensuring the garden continues to function. The stewards notify the county of any issues that need to be addressed that may go beyond their expertise and/or resources. As of winter 2018, the stewards have spent approximately 12 hours on garden maintenance.

Capstone Projects

In addition to completing the class project, the stewards were required to complete a “capstone project” either individually or in small groups. The projects represented a range of activities, ideas, and interests.

Project 1: Floating Wetland Installation at Ladew Topiary Garden

Two stewards, with installation assistance from a third steward, installed a floating wetland at Ladew Topiary Garden on August 7, 2018. Ladew, which is a public, non-profit garden located in Monkton, MD funded the implementation of the project. The design consisted of five 4.5' x 4' modular floating wetlands capable of holding 18 native plants that were placed in a former quarry pond. The pond receives runoff from the nearby polo fields as well as State Route 152 and the floating wetlands will help to filter any nutrients entering the pond before they discharge to nearby waterways. The floating wetland took 3 hours to install.

The pond is also bordered by a nature trail and the facility is frequented by members of the public, as well as school groups and tours. Given the ponds location, this BMP has high visibility and the potential to serve as an educational resource for the garden. In addition to installing the project, the stewards have committed to assisting the garden integrate the new feature into their existing education and outreach materials.

Project 2: Pollinator Garden in Havre de Grace

Three stewards completed a 44 sq ft pollinator garden/conservation landscaping project in Havre de Grace, MD. The project was funded by a Chesapeake Bay Trust Grant and located near a historic building in the city's downtown. In addition to the conservation landscaping, a rain barrel was also placed on the site which will capture roof runoff from one of the nearby historic buildings. The project, which took 14 hours to install between site prep and final planting, will treat 264 sq ft of impervious surface from the roof as well as some sheet flow from the nearby street.

Watershed Stewards Academy

Again, given the garden's location, the project has high visibility and the stewards intend to add signage in the near future that will allow residents and visitors to learn about the water quality and ecological benefits of the garden area.

Project 3: Harford County Weed Warriors

Three stewards have pursued a project to increase community awareness about the impact invasive species have on the landscape and the benefits of native plants. The stewards have partnered with Anita C. Leight Estuary Center and Eden Mill Nature Center to deliver educational information to volunteers involved in invasive species removal and cleanup and to connect their efforts to EddMap, an online citizen science tool used to track invasive species.

Their next step has been to engage a broader range of community members. They have started this process through the development of a facebook group and page. In addition to reaching out beyond these existing institutions, the group has entered into talks with staff at Eden Mill about applying for grants to replant cleared areas with native species. As of December, about 10 volunteer hours have been contributed to the ongoing effort and project.

Project 4: Mariner Point Park Stream Cleanup

One steward has planned a community stream cleanup event at Mariner Point Park in Joppa, MD. Although originally planned for September, the project was delayed due to flooding in the park. The current plan is for the cleanup to take place in December.

The steward has engaged the community through her Homeowners Association, while county staff and University of Maryland Sea Grant has assisted by connecting the steward to existing community resources in the Joppa area and other potential volunteers.

Ongoing Activities

In addition to the class project and their capstone projects, stewards have participated in county events such as the Harford County Farm Fair, Harford Stream's Summer Adventure Poker Run and Harford Streams Open House to advertise the program and answer the public's questions about stormwater management issues and solutions. Stewards have also started to assist community members and organizations with projects as they are brought to the county or Maryland Sea Grant Extension's attention.

The partners will continue to work closely with the graduated stewards by providing continuing education and project opportunities, serving as a technical resource for questions that are beyond the steward's scope and/or expertise, and ensuring they are meeting their annual volunteer and continuing education hour requirements.

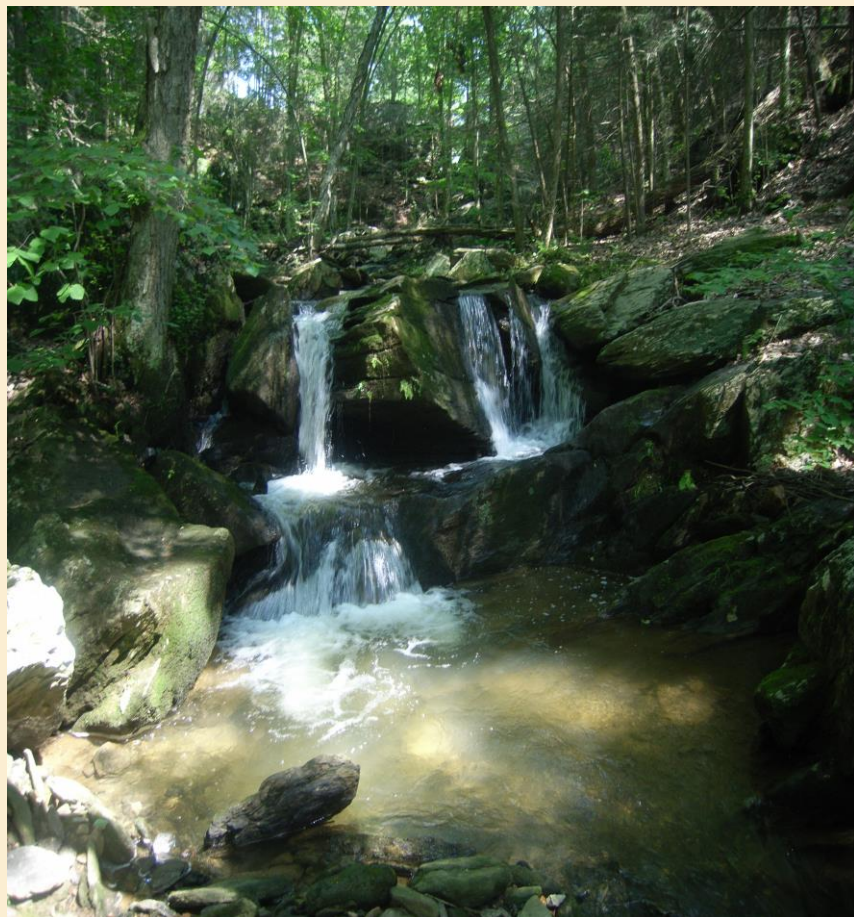
Future Classes

At this time, the partners plan to run the class every other year with the next class starting in fall 2019. The partners will begin advertising the next class in early spring 2019. Since the start of the last class, the county has also maintained an ongoing list of residents that have expressed interest in the program and their contact information. In addition to the general advertisement, those residents will be emailed directly with information about the fall 2019 class.

Open House

What is the County doing to protect our streams and clean up the Chesapeake Bay? Come to the Open House and find out.

If you have ideas about what we can do, we would like your input.
Green Choices. Healthy Streams.



Tuesday, March 20 from 6:30 – 7:30
McFaul Activity Center
525 W. Macphail Rd, Bel Air, MD 21014

Topics

Restoration Projects

Restoration Plans

Stream Monitoring/Studies

Website and Your Watershed

Outreach

Watershed Stewards Academy

Come out and share your
opinions and ideas

Tell us what we should do to
improve local streams and the
Chesapeake Bay

Refreshments will be provided

Harford County Watershed Protection and Restoration

212 S. Bond St., 1st Floor

Bel Air, MD 21014

410-638-3217

Bit.ly/HarfordStreams



Anita C. Leight Estuary Center Activity 2017-2018	General Public	Students	Groups	Number Reached
APG Enviro Fair			X	224
Arbor Day	X			50
BioBlitz	X			33
Bioretention Salinity Study	X			8
Canoe and Kayak Trips	X			448
Canoe and Kayak Trips Schools		X		530
Canoe and Kayak Trips - Groups			x	18
Critical Area Planting Day	X			39
SAV Survey	X			20
Envirothon		X		79
Grasses to Masses	x			30
Harford County Wade-In Festival	x			312
Invasinators	x			41
Juvenile Fish Sampling	X			30
Marsh clean-up	X			85
PhenoForays	X			36
Plankton Monitoring	x			206
Pontoon Boat Trips	x			116
Pontoon Boat Trips Schools		X		25
Pontoon Boat Trips - Groups			X	30
SAV Surveys	X			20
Secretive Marsh Bird Survey	X			6
Summer Camps	X			108
Summertime Seining	X			41
Teacher Professional Development - Canoe			X	22
Wetland Adaptations Field Trips		X		586
World Wetlands Day Festival	X			400
Totals	2029	1220	294	3543

Harford County Department of Parks and Recreation

USE THIS ONE-READY TO USE

RECREATION DIVISION ANNUAL REPORT						
Area Reporting:		Eden Mill		Reporting Period: FY18 7/1/17 thru 6/30/18		
I. RECREATION COUNCIL ACTIVITIES, SPECIAL EVENTS & MEETINGS						
Registration		Participants		Volunteers		Volunteer Hrs
0		0		0		0
						Cost
						\$0.00
II. NATURE CENTER ACTIVITIES, SPECIAL EVENTS & MEETINGS						
Registration		Participants		Volunteers		Volunteer Hrs
4289		1663		813		4079.5
						Cost
						\$95,913.07
FACILITY USE TIMES						
			Use	Number of Times Used	County Income	
			Indoor Use	948	\$0.00	
			Outdoor Use	719	\$0.00	

Harford County Department of Parks and Recreation

ANNUAL REPORT

Page 2

Area Reporting: Eden Mill

Reporting Period: FY18 7/1/17-6/30/18

I. RECREATION COUNCIL ACTIVITIES, SPECIAL EVENTS & MEETINGS

Activity	Registration	Participants (est.)	Volunteers	Vol Hrs	Cost
ARTS & CRAFTS					
BADMINTON					
BALLET/TAP/JAZZ/POINTE - Adult					
Youth					
BAND/MUSIC					
BASEBALL - Adult					
Youth - In season					
Youth - travel					
Camp/Clinic					
BASKETBALL - Adult					
Youth - in season					
Youth - out of season					
Youth - travel					
Camp/Clinic					
BATON - In house					
Travel					
BOARD/CARD GAMES					
CHEERLEADING - In season					
Travel					
COMPUTERS					
DANCE - Adult					
DRAMA/THEATRE					
Field Hockey - Youth					
FITNESS - Adult					
Youth					
FOOTBALL - Adult					
Youth					
Camp/Clinic					
GOLF					
Disk GOLF					
GYMNASTICS - recreational					
Team					
HOCKEY Inline					
Roller Derby					
LACROSSE - Adult					
Youth					
Travel					
Camp/Clinic					
SUBTOTAL SECTION I - PAGE 2	0	0	0	0	\$0.00

Harford County Department of Parks and Recreation

ANNUAL REPORT					Page 3
Area Reporting: Eden Mill			Reporting Period: FY18 7/1/17-6/30/18		
I. RECREATION COUNCIL ACTIVITIES, SPECIAL EVENTS & MEETINGS-Cont'd.					
Activity	Registration	Participants (est.)	Volunteers	Vol Hrs	Cost
MARTIAL ARTS / SELF DEFENSE					
MEETINGS (Rec Council)					
PERSONAL ENRICHMENT PROGRAMS					
CHILDREN'S CENTER					
SCUBA					
SENIOR CITIZENS					
SKATE PARK					
SOCCER					
Adult - out of season					
Adult - indoor					
Youth - in season					
Youth - out of season					
Youth - travel					
Youth - indoor					
Camp/Clinic					
SOFTBALL - Adult - in season					
Adult -out of season					
Youth - in season					
Youth - out of season					
Youth - travel					
Camp/Clinic					
Recreation					
SWIMMING					
Family					
Youth					
TEEN CENTER					
TENNIS - Adult					
Youth					
THEATRE					
TRACK AND FIELD					
VOLLEYBALL - Adult					
WEIGHTLIFTING					
WRESTLING					
Camp/Clinic					
YOGA					
ZUMBA					
SUBTOTAL SECTION I - PAGE 3	0	0	0	0	\$0.00
ANNUAL REPORT					Page 4

Harford County Department of Parks and Recreation

Area Reporting: type area here			Reporting Period: FY18 7/1/17-6/30/18		
I. RECREATION COUNCIL ACTIVITIES, SPECIAL EVENTS & MEETINGS-OTHER					
Activity	Registration	Participants (est.)	Volunteers	Vol Hrs	Cost
SUBTOTAL PAGE 4	0	0	0	0	\$0.00
SUBTOTAL PAGE 3	0	0	0	0	\$0.00
SUBTOTAL PAGE 2	0	0	0	0	\$0.00
TOTAL SECTION I	0	0	0	0	\$0.00

Harford County Department of Parks and Recreation

ANNUAL REPORT						Page 5
Area Reporting: Eden Mill			Reporting Period: FY18			7/1/17-6/30/18
II. NATURE CENTER ACTIVITIES, SPECIAL EVENTS & MEETINGS						
Activity	Registration	Participants (est.)	Vols	Vol Hrs	Cost	
ARTS & CRAFTS						
Family	30		1	2		
Childrens	237		6	97.5		
Adult	54		1	4		
BOATING (other than canoe/kayak)						
CAMP	186		11	820		
CANOE/KAYAK						
Family	392		31	348		
Adult	6		2	5		
Organized School Groups	257		9	20		
DROP-IN VISITATION (Sundays)		997	78	232		
ENVIRONMENTAL PROGRAMS						
Organized School Groups	2269		16	47.5		
Family	75		4	8		
Childrens	575		31	48.25		
Adult	35		1	6		
HISTORIC PROGRAMS	138		2	6		
MEETINGS		326	326	462.25		
OUTREACH PROGRAMS	35		1	4		
RESEARCH & MONITORING		140	93	465		
SCHOOL						
SCHOOL OUTREACH						

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Area Reporting: Eden Mill			Reporting Period: FY18 7/1/17-6/30/18		

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II. NATURE CENTER ACTIVITIES, SPECIAL EVENTS & MEETINGS-OTHER

OTHER Activity	Registration	Participants (est.)	Vol's	Vol Hrs	Cost
Recorded General Volunteer Activities (non- program or mtg related)		35	35	502.5	
Garden Maintenance		36	36	627	
Trail maintenance		10	10	40	
Project Clean Stream		4	4	12	
Wetland Work Day		24	24	48	
Boat over Boat		5	5	15	
Field trip training		9	9	18	
Field trip training		5	5	10	
Field trip training		4	4	16	
Field trip training		4	4	20	
Volunteer Orientation		20	20	55	
New Volunteer Canoe Training		8	8	48	
Canoe Refresher		15	15	22.5	
New Volunteer Canoe Training		5	5	30	
Canoe Refresher		7	7	17.5	
CPR/First Aid		6	6	15	
CPR/First Aid		3	3	7.5	
TOTAL Page 6	0	200	200	1504	\$0.00
TOTAL Page 5	4289	1463	613	2575.5	\$0.00
TOTAL SECTION II	4289	1663	813	4079.5	\$0.00

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Reporting Period FY18 7/1/17-6/30/18						
III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS						
ABOVE & BEYOND						
Registrants	Participants	Prog Hrs	Vol's	Vol Hrs.	Expenses	County Income
0	0	0	0	0	\$0.00	\$0.00
EDEN MILL						
Registrants	Participants	Prog Hrs	Vol's	Vol. Hrs.	Expenses	County Income
276	4699	125.5	0	0	\$0.00	\$6,851.00
ANITA C. LEIGHT ESTUARY CENTER						
Registrants	Participants	Prog Hrs	Vol's	Vol. Hrs.	Expenses	County Income
0	0	0	0	0	\$0.00	\$0.00
FITNESS ROOMS						
Registrants	Participants	County Income				
0	0	\$0.00				
START SMART						
Registrants	Prog Hrs	Vol's	Vol. Hrs.	Expenses	County Income	
0	0	0	0	\$0.00	\$0.00	
OTHER						
Registrants	Participants	Prog Hrs	Vol's	Vol. Hrs.	Expenses	County Income
0	0	0	0	0	\$0.00	\$0.00

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Area Reporting: ABOVE & BEYOND

Reporting Period: FY18 (7/1/17-6/30/18)

III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS

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Area Reporting: **EDEN MILL**

Reporting Period: FY18 (7/1/17-6/30/18)

III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS

Activity	Registrants	Participants (est.)	Prog Hrs	Lead Staff	Assistant Staff	Vol's	Vol Hrs	Expenses	County Income
Drop-in visitors Mon- Sat (recorded)		4699		AD, BJ, AS	JV			\$0.00	\$0.00
Fall Saturday Critter Dinnertimes	34		9	Jillen Vest				\$0.00	\$0.00
Sept Homeschool	19		6	Aimee Dunn	Debbie G				\$475.00
Oct Homeschool	20		6	Aimee Dunn	Debbie G				\$500.00
Nov Homeschool	20		6	Aimee Dunn	Debbie G				\$500.00
Winter Saturday Critter Dinnertimes	27		9	Jillen Vest				\$0.00	\$0.00
Thursday Critter Dinnertimes	0		9	Jillen Vest				\$0.00	\$0.00
Dec Homeschool	20		6	Aimee Dunn	Debbie G				\$500.00
Jan Homeschool	19		4	Aimee Dunn	Debbie G				\$478.00
Feb Homeschool	19		6	Aimee Dunn	Debbie G				\$459.00
March Homeschool	20		9	Aimee Dunn	Debbie G				\$355.00
April Homeschool	20		9	Aimee Dunn	Debbie G				\$468.00
May Homeschool	20		9	Aimee Dunn	Debbie G				\$500.00
Spring Critter Dinnertimes	6		4	JV, AS				0	0
EM Camp 6/18-6/22	14		30	Aimee Dunn	Bryce, Audrey				\$2,450.00
Insect Hike	2		2	Audrey					\$6.00
PR Olympics	16		2	Bryce	Matt F				\$160.00
TOTAL SECTION III	276	4699	125.5			0	0	\$0.00	\$6,851.00

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Area Reporting: **ANITA C. LEIGHT ESTUARY CENTER**

Reporting Period: FY18 (7/1/17-6/30/18)

III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS

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Area Reporting: FITNESS ROOM

Reporting Period: FY18 7/1/17-6/30/18

III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS

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Area Reporting: START SMART

III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS

[illegible]

Harford County Department of Parks and Recreation

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Area Reporting: **OTHER**

Reporting Period: FY18 (7/1/17-6/30/18)

III. STAFF COORDINATED ACTIVITIES ~ COUNTY PROGRAMS

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Harford County Department of Parks and Recreation

[illegible]

Harford County Department of Parks and Recreation

[illegible]

Watershed Protection and Restoration Outreach							
Date	Staff	Group	Event	Location	Hours	Number Reached	Category
5/26/2017	Scott, Chris, Michele, Laura, Bethany, Jonathan, Scott and Watershed Stewards	Public	Summer Adventure	County wide	Many	617	Public Outreach Events
7/15/2017	Scott, Chris, Michele, Laura, Bethany, Jonathan, Scott and Watershed Stewards	Public	Summer Adventure Poker Run	Harford Glen	4	80	Public Outreach Events
9/1/2017	Christine Buckley	Environmental Club	Food Cycle, Native Plants, Insects, Birds	Forest Hill Elementary School	20	11	School Activities
9/1/2017	Christine, Michele, Laura, Bethany and Jonathan	Homestead Elementary School Fifth Grade Science Sudents	Tree Planting, Stormwater Management and Drainage Issues, Native Trees and Shrubs	Bel Air, MD	6	20	School Activities
9/12/2017	Scott, Chris, Michele and Laura	Public	Watershed Stewards Academy	Harford Community College and various	58	12	Public Outreach Events
9/19/2017	Laura and Betsey	APG Employees	Pollution Prevention Open House	Aberdeen Proving Ground	4	200	Public Outreach Events
10/18/2017	Michele	St. Stephens Green School Committee	Meeting to discuss green schools	Kingsville, MD	2	10	School Activities
12/13/2017	Christy Joyce	Contractors, Landscapers, HOA's, and Management Companies	Stormwater Management Maintenance Workshop	Harford Community College	4	27	Public Outreach Events
12/14/2017	Christy Joyce	Contractors, Landscapers, HOA's, and Management Companies	Stormwater Management Maintenance Workshop	Harford Community College	2.5	20	Public Outreach Events
2/8/2018	Scott, Chris, Michele and Laura	P & Z and the Public	Green Infrastructure Open House	Harford Community College	2	80	Public Outreach Events

Watershed Protection and Restoration Outreach							
Date	Staff	Group	Event	Location	Hours	Number Reached	Category
2/20/2018	Scott	Harford County Environmental Advisory Board	Monthly Meeting	220 S. Main St. Bel Air, MD	0.5	9	Misc.
2/21/2018	Chris	Inspectors	General MS4 and Website Training	212 S. Bond St. Bel Air, MD	1	12	Misc.
2/23/2018	Chris, Michele and Laura	Ring Factory Elementary 4th and 5th graders	Outreach Harford Streams Presentation	Ring Factory Elementary School	2	100	School Activities
2/27/2018	Chris	Ring Factory Elementary Teachers	Outreach Harford Streams Presentation	Ring Factory Elementary School	1	22	School Activities
3/16/2018	Michele	St. Stephens Elementary School Students	St. Stephens Science Fair Judge	St. Stephen ES	4	40	School Activities
3/29/2018	Scott, Chris, Michele, Betsy and Laura	Public	Harford Streams Open House	McFaul Activity Center	2	36	Public Outreach Events
4/17/2018	Chris, Michele and Claudia West	Unitarian Universalist Fellowship of Harford County	Planting	Churchville, MD	4	N/A	Misc.
4/18/2018	Chris, Michele and Laura	Ring Factory Elementary 4th and 5th graders	Tree Planting	Ring Factory Elementary School	2	30	School Activities
4/21/2018	Michele, Laura and Scott	Public	Green Reveal	Anita C. Leight Estuary Center	4	30	Public Outreach Events
5/14/2018	Chris, Michele, Laura and Bethany	HCPS Science Chairs	Outreach Harford Streams Presentation	Center for Educational Opportunity Aberdeen, MD	1	50	School Activities
5/31/2018	Michele	NHHS Envirothon Students	Envirothon Training	North Harford High School	2	12	School Activities
6/2/2018	Michele and Laura	Public	Wade-In	Anita C. Leight Estuary Center	6	350	Public Outreach Events
6/6/2018	Christine Buckley and Curt Hall	Residents of Bear Cabin Project	Outreach / Project Update	Forest Hill, MD	2	15	Misc.
6/12 - 6/14/18	Christine, Michele, Laura, Bethany and Jonathan	Ring Factory Elementary School Students	Planting	Ring Factory Elementary School	15	540	School Activities